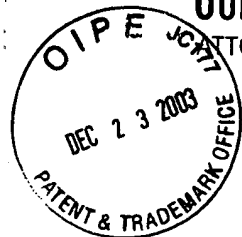


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December 23, 2003

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Re: U.S. Utility Patent Application
Appl. No. 09/590,955; Filed: June 9, 2000
For: **Phase Shifting Applications of Universal Frequency Translation**
Inventors: Johnson *et al.*
Our Ref: 1744.0710005

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Second Supplemental Information Disclosure Statement;
2. Seven (7) sheets of Form PTO-1449 listing seventy-three (73) reference documents;
3. One (1) copy of each reference document;
4. One (1) Compact Disc labeled "ParkerVision IDS References Disc 3;" and
5. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are

Commissioner for Patents
December 23, 2003
Page 2

necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Patrick E. Garrett". The signature is fluid and cursive, with the first name "Patrick" and last name "Garrett" clearly distinguishable.

Patrick E. Garrett
Attorney for Applicant
Registration No. 39,987

PEG:mlb
Enclosures

SKGF_DC1:213002.1